

REMARKS

Reconsideration is respectfully requested in light of the foregoing amendments and remarks that follow.

Claims 1-12 and 14 are pending in the application, with claims 1 and 14 being the independent claims. Claim 13 has been canceled. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Allowable Subject Matter

Applicants acknowledge that the Examiner has indicated that claims 1-12 are allowable and that claim 13 would be allowable if rewritten. See Office Action, paper no. 5, ¶ 4.

Rejection under 35 U.S.C. §101

The Examiner has rejected claim 13 under 35 U.S.C §101 as being directed to non-statutory subject matter.

Applicant respectfully submits that this rejection is moot because claim 13 has been canceled in the above-entered amendment. In the interests of furthering prosecution, Applicant respectfully submits that claim 14 is believed to be statutory, and that support for claim 14 can be found, *inter alia*, on page 11 of the Specification.


Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all currently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action

and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite the prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,



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Table 1. Results of Fischer-Tropsch reaction over activated carbon supported cobalt based catalysts.

| Catalyst | Type of reactor | CO conversion, % | Yield, g/Nm ³ -sys | | Distribution in paraffins, % | | | | Distribution in oil liquid, % | |
|-----------|-----------------|------------------|-------------------------------|-----------------------------|------------------------------|------------------|----------------|------------------|-------------------------------|--|
| | | | C ₁ ⁺ | C ₅ ⁺ | C ₁ | C ₂₋₄ | C ₅ | C ₄₋₉ | C ₁₀₋₂₀ | |
| Example 1 | Slurry | 55.6 | 120.2 | 96.0 | 8.4 | 11.6 | 80.0 | 34.3 | 65.7 | |
| | Fixed bed | 53.8 | 105.9 | 89.4 | 8.7 | 12.0 | 79.3 | 36.8 | 63.2 | |
| Example 2 | Slurry | 85.7 | 169.4 | 138.7 | 8.8 | 9.3 | 81.9 | 34.3 | 65.7 | |
| | Fixed bed | 64.1 | 138.4 | 111.6 | 8.5 | 10.8 | 80.7 | 37.1 | 62.8 | |
| Example 3 | Fixed bed | 78.3 | 162.5 | 108.7 | 18.1 | 15.0 | 66.9 | 60.8 | 39.2 | |
| Example 4 | Fixed bed | 41.6 | 84.3 | 66.3 | 4.1 | 18.1 | 77.8 | 62.8 | 37.2 | |
| Example 5 | Slurry | 83.5 | 169.6 | 140.9 | 7.8 | 9.1 | 83.1 | 32.5 | 67.5 | |
| | Fixed bed | 67.3 | 132.3 | 105.8 | 7.8 | 9.1 | 83.1 | 35.9 | 64.1 | |



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